

Sacramento-Yolo
MOSQUITO & VECTOR
CONTROL DISTRICT

APRIL 25, 2023

BOARD OF TRUSTEES
SPECIAL MEETING

BOARD PACKET

10:00 A.M.

8631 BOND ROAD
ELK GROVE, CA 95624

**SACRAMENTO/YOLO MOSQUITO
& VECTOR CONTROL DISTRICT
BOARD OF TRUSTEES REGULAR MEETING**

8631 Bond Road
Elk Grove, CA 95624
AND
704 West Main Street
Winters, CA 95694

**AGENDA
April 25, 2023
10:00 AM**

In compliance with the Americans with Disability Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District office at (916) 685-1022 or (916) 685-5464 (fax). Requests must be made as early as possible and at least one-full business day before the start of the meeting. Documents and materials relating to an open session agenda item that are provided to the SYMVCD Board less than 72 hours prior to a regular meeting will be available for public inspection and copying at 8631 Bond Road, Elk Grove, Ca 95624. The documents will also be available on the agency's website at www.fightthebite.net.

CALL TO ORDER:

- **Roll Call**
 - **Pledge of Allegiance**
1. **Items for Approval by General Consent:**
 - a. **Minutes of the March 23rd Board of Trustees Meeting**
 - b. **Expenditures for March 2023**
 2. **Opportunity for Public Comment**
This item is reserved for members of the public who wish to speak on items not on the agenda
 3. **Reports to the Board**
 - a. **Manager's Report**
 - b. **Reports from District Departments**
 - **Lab/Surveillance**
 - **Ecological Management**
 - **Biological Control**
 - **Larval and Adult Control**
 - **Public Outreach**

4. **Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6-Labor Negotiations)**
Agency Designated Representatives : [Gary Goodman, Kim Bogard]
Employee Organization: [Operating Engineers Local Union #3]
5. **Board/Staff Reports and Requests**
6. **Adjournment**

MINUTES OF THE MARCH 23, 2023 MEETING OF THE BOARD OF TRUSTEES OF THE SACRAMENTO- YOLO MOSQUITO & VECTOR CONTROL DISTRICT

Location: Virtual Meeting via Zoom / In Person @ 8631 Bond Rd, Elk Grove, California

Time: 10:00 a.m.

Call to Order: The meeting was called to order by Board President Marcia Mooney at 10:03 a.m.

Trustees Present:

Marcia Mooney	President	Galt
Sean Denny	Vice President	Woodland
Charles Duty	Secretary	Sacramento County
Bruce Eldridge		Yolo County
Christopher Barker		Davis
Craig Burnett		Folsom
Janell Darroch		West Sacramento
Jayna Karpinski-Costa		Citrus Heights
Gar House*		Winters
Raymond LaTorre		Sacramento
Staci Gardiner		Isleton
Robert McGarvey		Rancho Cordova
Lyn Hawkins	Absent	Elk Grove

*Appeared Remotely

Staff Present:

Gary Goodman	Manager
Jeni Buckman*	Legal Counsel
Steve Ramos	Assistant Manager
Rebecca Lane	Administrative Manager
Marty Scholl	Ecological Mgmt. Supervisor
Ken Harris	Biological/Fisheries Supervisor
Sarah Wheeler	Lab Director
Kevin Combo	Control Operations (No. Sacramento) Supervisor

*Appeared Remotely

Others Present:

Felix Huerta	Union Representative
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*Appeared Remotely

Roll Call

This meeting was both in person and by video teleconference. Attendance was taken by Roll Call.

Pledge of Allegiance

All phones and electronic devices are requested to be silenced during the Pledge of Allegiance and for the duration of the meeting.

1. Items for Approval by General Consent

On a motion by Trustee Karspinski-Costa and seconded by Trustee Denny, the Board voted to approve the General Consent Items. The vote was taken by roll call and the motion passed by the following vote: Ayes: 12, Noes: 0, Absent: 1

- a. Minutes of the February 21, 2023 Board of Trustees Meeting
- b. Expenditures for February 2023
- c. Board Consideration to Move April Board Meeting to April 25th
- d. Board Consideration to Move May Board Meeting to May 23rd
- e. Board Review and Consideration of Renewal to Uniform Contract with Cintas

Following approval of the General Consent items, Board Counsel Jenni Buckman confirmed that (1) Trustee Lyn Hawkins was absent for just cause, (2) the Board had a quorum, and (3) Trustee Gar House was in attendance remotely.

2. Opportunity for Public Comment

This item is reserved for members of the public who wish to speak on items not on the agenda.

Union Representative Felix Huerta provided a handout relating to Operating Engineers Local Union No. 3 v. Sacramento-Yolo Mosquito & Vector Control District (#SA-CE-1200-M)

3. Reports to the Board

Manager's Report:

The AMCA annual conference was held February 27-March 3 in Reno. The District gave numerous presentations even though they were not able to attend in person due to the weather. The MVCAC Legislative Days were held on March 21st. The District Manager and Trustees Denny and Mooney helped reach out and discuss issues with 10 legislators. The Association's main ask was for funding through CDPH to help Districts pay for increased invasive Aedes control. The AMCA Washington Conference is currently scheduled for May 15-17. Staff is scheduling presentations with all of the City Councils. District staff is working on scheduling interviews to fill current full time and seasonal vacancies within various departments.

Reports from District Departments: Written reports were provided in the Board packet from each department.

- Lab/Surveillance
- Ecological Management
- Biological Control
- Larval and Adult Control
- Public Outreach

Lab/Surveillance:

Lab Director Sarah Wheeler provided an update on Laboratory activities. *Culex tarsalis* and *Culex pipiens* abundance remained low in February. The abundance of two other spring nuisance species, *Aedes sierrensis* and *Culexeta inornate*, show that these species are active for the season. Tick abundance is elevated, and new signs are being printed to post on trails where *Borreilia burdoferi* infected ticks are detected. Laboratory Technicians are maintaining mosquito colonies and continuing to prepare gear for the 2023 season.

Ecological Management:

Ecological Management Department Supervisor Kevin Combo updated the Board on current activities. These activities included an evaluation of existing programs and projects, conducting preventive maintenance on the heavy equipment, reviewing upcoming planning projects and providing comments/recommendations where needed, evaluating past BMP projects to see if we need to revisit them after the rainy season, and sending out vegetation contracts to landowners. The Department anticipates a busy season, as the winter weather gives way to spring. Historically, the Department is already mowing and starting projects, but due to the extended winter and record rains, it has been impossible to get equipment out to project sites. Weather permitting, staff anticipates being able to get technicians access to some of the difficult spring sources and beginning our water management projects.

Biological Control:

Ken Harris introduced himself as the new Biological Control / Fisheries Supervisor and provided a brief update on activities by the Department during the month of February and into the beginning of March. Fisheries staff activities included yard clean-up, pumping of ponds, and fertilization. Supervisor Harris provided insight into potential activities over the next month as the weather improves.

Larval and Adult Control:

Program Manager Marty Scholl provided Control Department activities, which included ongoing Invasive *Aedes* control, Catch Basin control and Field control activities on and off site. Other activities undertaken by staff related to calibration and Pesticide Safety training. Due to an abundance of water, crews are just starting to get out, and there is a slight uptick in service requests.

Public Outreach:

The District's Public Information Officer, Luz Robles, was not in attendance, and did not provide an oral update to the Board.

4. Board Review and Consideration of an Amendment to the Leading Edge Contract for Aerial Larviciding Services by UAS

The District has been working with Leading Edge for larviciding applications by UAS (unmanned aerial system) for the last seven years. Leading Edge treated just under 5000 acres by UAS for the District in 2022 in a fraction of the time it would have taken ground crews to do so and also freeing staff time to perform other inspections and treatments. Additionally, Leading Edge is capable of treating areas that the District's current agricultural aerial applicator is unable to fly over due to FAA limitations.

Leading Edge has not increased their cost to the District over the past 7 years. They have recently reevaluated their costs and are proposing an increase to their fee structure based on an increase to their business expenses. They are proposing an increase from \$18.00/acre to \$19.78 per acre. The amendment would cover us up through the 2028 mosquito season and would also incorporate an annual price review for potential increases of 0-4% based on negotiations with the Manager. A copy of the current proposal is included along with the proposed amendment.

A motion was made by Trustee Denny and seconded by Trustee LaTorre to Authorize the General Manager to sign the amendment to the contract with Leading Edge for UAS Services. The vote was taken by roll call and the motion passed by the following vote: Ayes: 12, Noes: 0, Absent: 1.

5. Board Review and Consideration of Supporting the AMCA Research Foundation in the Amount of \$50,000

The District has a strong history of supporting the work done by the Mosquito Research Foundation to further the study of vectors and vector borne diseases. The District's annual budget has \$75,000 allocated for research. I have included a request by the AMCA president, Kristen Healy, requesting funds to support the program.

A motion was made by Trustee Denny and seconded by Trustee Duty to Authorize the Donation to the AMCA Research Foundation in the Amount of \$50,000. The vote was taken by roll call and the motion passed by the following vote: Ayes: 12, Noes: 0, Absent: 1.

6. Board/Staff Reports and Requests / General Discussion

Staff discussed continuing our relationship with the Pan African Mosquito Control Association. The Board asked for a closed session item on the active litigation issues at a future meeting.

7. ADJOURNMENT

The meeting adjourned at 11:15 a.m.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the March 23, 2023, meeting.

Gary Goodman, Manager

Approved as written and/or corrected by the Board of Trustees at the April 25, 2023, meeting.

Charles Duty, Board Secretary

Check History Report
Sorted By Check Number
Activity From: 3/1/2023 to 3/31/2023

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
056448	3/7/2023	0002425	Aleshire & Wynder, LLP	2,760.00	Auto
056449	3/7/2023	0000018	ANDKO Building Maintenance Inc.	4,804.94	Auto
056450	3/7/2023	0002541	Barnes Welding	881.53	Auto
056451	3/7/2023	0002428	Benefit Coordinators Corp.	9,150.90	Auto
056452	3/7/2023	0001011	Buckmaster Office Solutions	64.45	Auto
056453	3/7/2023	0001019	Cintas Corporation	3,283.93	Auto
056454	3/7/2023	0000117	City of Woodland	330.92	Auto
056455	3/7/2023	0000128	Consolidated Communications	2,299.63	Auto
056456	3/7/2023	0000184	Elk Grove Lock and Safe Company	8.17	Auto
056457	3/7/2023	0000186	Elk Grove Water District	355.77	Auto
056458	3/7/2023	0000219	Gary Goodman	52.28	Auto
056459	3/7/2023	0000958	GreatAmerica Financial Services	413.00	Auto
056460	3/7/2023	0000240	Hunt & Sons Inc	3,968.11	Auto
056461	3/7/2023	0000267	Kaiser Foundation Health Plan	48,553.36	Auto
056462	3/7/2023	0000277	Kimball Midwest	30.27	Auto
056463	3/7/2023	0002350	Linde Gas and Equipment INC.	36.48	Auto
056464	3/7/2023	0000306	Maita Chevrolet	500.11	Auto
056465	3/7/2023	0002575	Mike & Son's Truck Repair, Inc.	1,075.74	Auto
056466	3/7/2023	0000356	OReilly Automotive Stores Inc	585.75	Auto
056467	3/7/2023	0000367	PG & E	9,435.11	Auto
056468	3/7/2023	0000370	Pitney Bowes Global Financial Services LLC	292.60	Auto
056469	3/7/2023	0000388	Republic Services #922	725.43	Auto
056470	3/7/2023	0000562	RKL eSolutions, LLC	2,897.50	Auto
056471	3/7/2023	0000413	Sacramento County Utilities	960.54	Auto
056472	3/7/2023	0000451	SMUD	7,086.44	Auto
056473	3/7/2023	0000957	Sutter Health Plus	10,506.66	Auto
056474	3/7/2023	0001234	T-Mobile	1,455.96	Auto
056475	3/7/2023	0002407	Valley Fire & Security	69.50	Auto
056476	3/7/2023	0000522	Verizon Wireless	2,846.45	Auto
056477	3/7/2023	0000529	Waste Management	247.93	Auto
056478	3/10/2023	0000006	Adapco Inc	65,089.62	Auto
056479	3/10/2023	0000029	Arthur J Gallagher Risk Mngmt Svcs	7,080.00	Auto
056480	3/10/2023	0000467	Home Depot Pro Institutional	1,713.10	Auto
056481	3/10/2023	0000286	Leading Edge Associates Inc.	14,625.00	Auto
056482	3/10/2023	0000299	Luken Benjamin Associates	7,500.00	Auto
056483	3/10/2023	0000339	Nationwide Retirement Solutions	1,550.00	Auto
056483	3/10/2023	0000339	Nationwide Retirement Solutions	1,550.00	Reversal
056484	3/10/2023	0001488	Red Shoe Productions	27,000.00	Auto
056485	3/10/2023	0000454	Spark Creative Design	14,505.12	Auto
056486	3/10/2023	0001062	TeamLogic IT Sacramento, CA	6,387.28	Auto
056487	3/10/2023	0000492	Top Rank Heating Air Conditioning Inc	842.69	Auto
056488	3/10/2023	0000518	Vector Disease Control International	53,125.00	Auto
056489	3/10/2023	0000526	VWR International Inc	870.51	Auto
056490	3/13/2023	0000531	Western Health Advantage	7,439.26	Auto
056491	3/13/2023	0000531	Western Health Advantage	1,088.41	Auto
056492	3/13/2023	0000504	US Bank	27,594.34	Auto
056493	3/14/2023	0002540	Hippensteel Group	2,177.50	Auto
056494	3/24/2023	0002425	Aleshire & Wynder, LLP	724.50	Auto
056495	3/24/2023	0000014	Alhambra & Sierra Springs	79.98	Auto
056496	3/24/2023	0000034	AutoZone Inc	638.08	Auto
056497	3/24/2023	0002541	Barnes Welding	654.91	Auto
056498	3/24/2023	0000038	Bartkiewicz Kronick & Shanahan	1,035.00	Auto
056499	3/24/2023	0001011	Buckmaster Office Solutions	241.85	Auto
056500	3/24/2023	0000062	CA Department of Fish & Wildlife (Region 2)	76.22	Auto

Check History Report
Sorted By Check Number
Activity From: 3/1/2023 to 3/31/2023

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
056501	3/24/2023	0000119	Clarke Mosquito Control Products Inc	4,202.25	Auto
056502	3/24/2023	0002608	Cleanit Maintenance Systems LLC	2,995.00	Auto
056503	3/24/2023	0000184	Elk Grove Lock and Safe Company	138.39	Auto
056504	3/24/2023	0000198	Factory Motor Parts Co	147.02	Auto
056505	3/24/2023	0002540	Hippensteel Group	877.50	Auto
056506	3/24/2023	0000240	Hunt & Sons Inc	4,191.96	Auto
056507	3/24/2023	0002352	Kingsley Bogard, LLP	16,573.32	Auto
056508	3/24/2023	0002350	Linde Gas and Equipment INC.	36.48	Auto
056509	3/24/2023	0000367	PG & E	3,099.03	Auto
056510	3/24/2023	0000423	Sacramento SPCA	500.00	Auto
056511	3/24/2023	0000454	Spark Creative Design	2,066.77	Auto
056512	3/24/2023	0000461	Stericycle Inc	93.47	Auto
056513	3/24/2023	0000501	United Textile Inc	1,502.05	Auto
056514	3/31/2023	0000043	Benefit Coordinators Corporation	3,433.62	Auto
056515	3/31/2023	0000084	CA State Disbursement Unit	350.00	Auto
056516	3/31/2023	0001035	Operating Engineers Local Union No. 3	1,088.00	Auto
056517	3/30/2023		***Void Check***		
W00338	3/30/2023	0000511	US Treasury Internal Revenue Service	60,996.91	Wire Transfer
W00339	3/30/2023	0000176	EDD	16,225.48	Wire Transfer
W00340	3/30/2023	0000339	Nationwide Retirement Solutions	3,625.00	Wire Transfer
W00341	3/30/2023	0000339	Nationwide Retirement Solutions	2,300.00	Wire Transfer
W00342	3/30/2023	0000086	CalPERS 457 Plan	17,079.43	Wire Transfer
W00343	3/30/2023	0000087	CalPERS Financial Reporting & Accounting Services	84,492.64	Wire Transfer
Bank U Total:				<u>582,182.15</u>	
Report Total:				<u>582,182.15</u>	

I hereby authorize the use of my signature plate on the above-listed warrants, 056448-056517, and EFTs

Signature

Date

Marcia Mooney, President of the Board

Sacramento/Yolo M.V.C.D.
STATEMENT OF OPERATION

	<i>9Months Ended</i> <i>March31 2023</i>	<i>Annual</i> <i>Budget</i>	<i>Unused</i>
Revenue			
REVENUE	10,367,417.40	0.00	10,367,417.40
TOTAL Revenue	<u>10,367,417.40</u>	<u>0.00</u>	<u>10,367,417.40</u>
Expenditures			
SALARIES/BENEFITS/WC			
SALARIES/BENEFITS/WC	8,679,505.57	10,114,835.00	1,435,329.43
TOTAL Salaries	<u>8,679,505.57</u>	<u>10,114,835.00</u>	<u>1,435,329.43</u>
OPERATIONAL			
LIABILITY INSURANCE	247,704.00	240,624.00	(7,080.00)
AUDITING/FISCAL	11,000.00	18,000.00	7,000.00
COMMUNICATIONS	55,704.26	99,000.00	43,295.74
PUBLIC INFORMATION	331,219.51	595,500.00	264,280.49
STRUCTURE & GROUNDS	60,178.08	69,000.00	8,821.92
MEMBER/TRAINING	74,422.31	148,000.00	73,577.69
DISTRICT OFFICE EXPENSES	15,469.00	22,500.00	7,031.00
PROFESSIONAL SERVICES	295,280.92	297,000.00	1,719.08
MATERIALS & SUPPLIES	16,083.38	22,750.00	6,666.62
RENTS & LEASES - Admin	6,494.29	11,550.00	5,055.71
SAFETY PROGRAM	2,130.00	5,000.00	2,870.00
UTILITIES	88,358.52	120,000.00	31,641.48
AIRCRAFT SERVICES	369,663.24	1,074,000.00	704,336.76
ECOLOGICAL MANAGEMENT	1,091.73	14,700.00	13,608.27
MICROBIAL	861,067.54	1,200,000.00	338,932.46
INSECT GROWTH REGULATOR	614,119.82	1,133,000.00	518,880.18
INSECTICIDES	327,376.92	700,000.00	372,623.08
FISHERIES	13,959.16	36,000.00	22,040.84
GEOGRAPHIC INFO SYSTEMS	4,061.00	9,000.00	4,939.00
INFORMATION TECHNOLOGY	44,301.89	80,000.00	35,698.11
CONTROL OPERATIONS	20,512.04	66,000.00	45,487.96
VEHICLE PARTS/LABOR	97,255.64	121,000.00	23,744.36
LAB SERVICES	102,464.44	235,300.00	132,835.56
GAS & PETROLEUM	130,536.84	300,000.00	169,463.16
TOTAL Total Operational	<u>3,790,454.53</u>	<u>6,617,924.00</u>	<u>2,827,469.47</u>

Sacramento-Yolo Mosquito and Vector Control District

April 25, 2023 Board Meeting

3. Reports to the Board

a. Manager's Report

b. Reports from District Departments

- **Lab/Surveillance (Sarah Wheeler)**
- **Ecological Management (Kevin Combo)**
- **Biological Control (Ken Harris)**
- **Larval and Adult Control (Marty Scholl)**
- **Public Outreach (Luz Maria Robles)**

a. Manager's Report

Activity is starting to pick up as the weather gets warmer but the amount of rain and water is limiting our access to some sites. We have filled all of our full time positions and are actively trying to get our seasonal staff on board.

We are starting our budget process and will be presenting a first draft of the budget at the May meeting.

The FY 2021-2022 audit is getting finalized and hopefully we will have a report to the Board soon.

The AMCA Washington Conference is currently scheduled for May 15-17. Trustees Denny and Barker will be attending with the Manager.

b. Reports from District Departments

- **Lab/Surveillance (Sarah Wheeler)**
- **Ecological Management (Kevin Combo)**
- **Biological Control (Ken Harris)**
- **Larval and Adult Control (Marty Scholl)**
- **Public Outreach (Luz Maria Robles)**

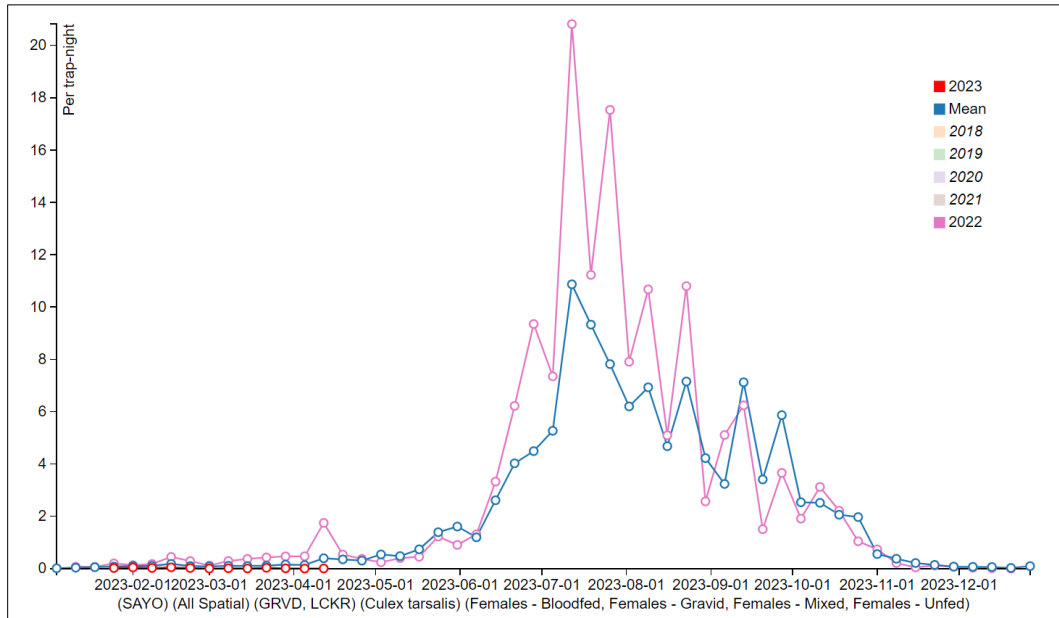
LABORATORY Monthly Report April 2023 Board Meeting

Insectary:

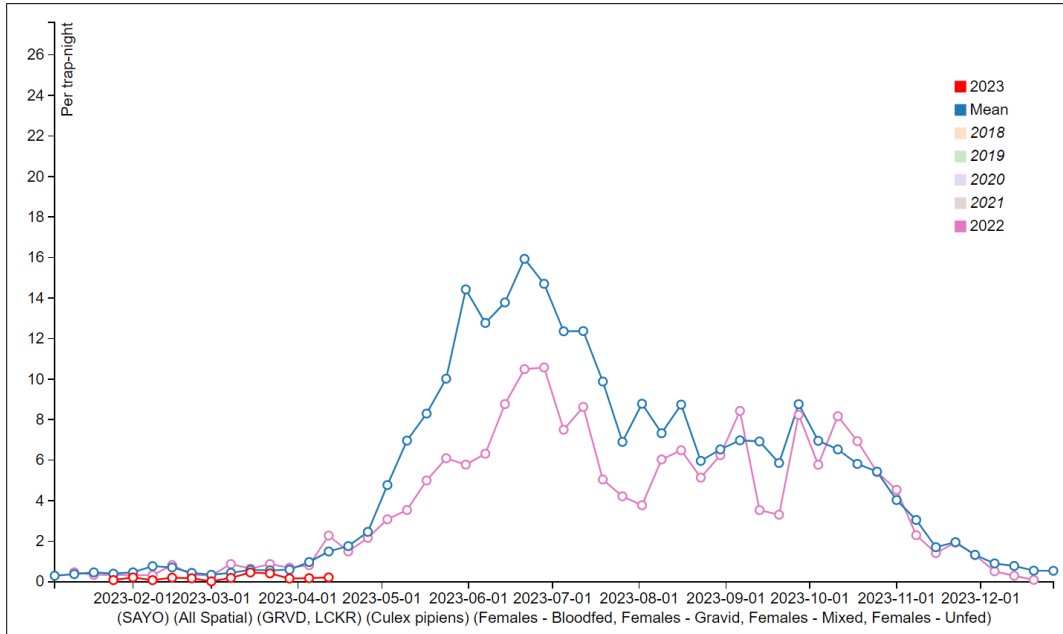
Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2017)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis</i>	VFCT	Vic Fazio Yolo Wildlife Area (2020)	resistant: pyrethrins/pyrethroids
<i>Culex pipiens</i>		Elk Grove (2022)	status under investigation
<i>Aedes sierrensis</i>		Sonoma County (2016)	susceptible

2023 Surveillance update through 4/13/2023

Weekly mosquito collections – The following graphs show overall *Culex tarsalis* and *Culex pipiens* abundance from gravid traps and locker traps placed in permanent locations throughout Sacramento and Yolo Counties. Trap counts are currently very low.



Weekly *Culex tarsalis* abundance traps in locker and gravid traps



Weekly *Culex pipiens* abundance traps in locker and gravid traps

Encephalitis Vector Surveillance (EVS) – This program will resume May 11, 2023

West Nile virus (WNV) testing – Testing will resume on May 15, 2023

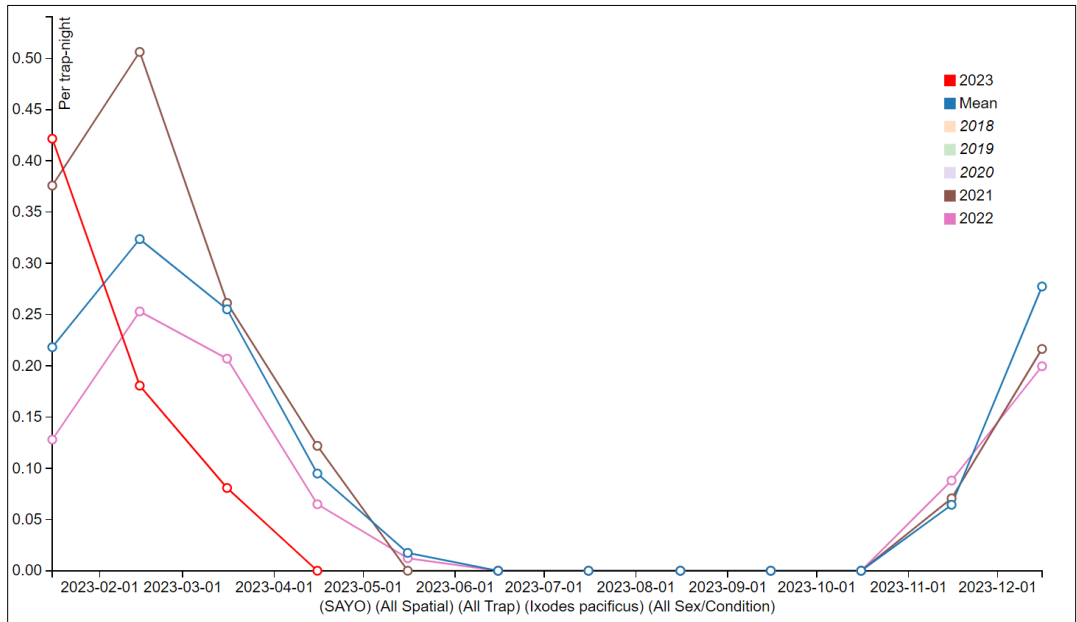
Dead birds – The California Department of Public Health Dead Bird Call Center reopened on April 10, 2023 and dead bird collection has resumed.

Sentinel chickens – Sentinel chickens will be picked up on April 27, this will mark the beginning of 2023 sentinel chick surveillance.

Rice Surveillance – Rice field mosquito abundance surveillance will resume as soon as the fields are re-flooded following planting. Field technicians are monitoring field conditions following heavy winter rains.

Human disease response surveillance – Two Sacramento County travel-related human cases of malaria and dengue were reported to the District. Surveillance efforts did not detect suitable species for disease testing. The investigation is complete.

Tick surveillance – Tick abundance peaked in January and declined through February and March. To investigate *Borrelia burgdorferi* infection rates in February all the ticks collected from Willow Creek were tested individually instead of testing pools. Willow Creek was selected due to high numbers of *Ixodes pacificus* and an elevated *B. burgdorferi* infection rate (5 of 9 pools positive) in January. Overall, 46 *Ixodes pacificus* were collected and only one was positive, limiting the inference that could be gained from this expanded testing. We will continue to test pools moving forward. Starting in late April, we will begin flagging for nymphal ticks that can harbor higher *B. burgdorferi* infection rates.



Total number of *Ixodes pacificus* collected across all sampling locations; April tick collection is not complete; Tick flagging is not performed June – October.

2022-2023 Season – Detections of *Borrelia burgdorferi*

Ixodes pacificus pools positive for *Borrelia burgdorferi*

Year	Month	Location	Total Collected	Total pools	Positive pools
2022	November	Snipes Pershing	6	2	1
		Willow Creek	10	2	1
		Sacramento Bar	15	3	1
2022	December	East Lake Natoma	65	13	3
		Willow Creek	4	1	1
		Black Miner's Bar	29	6	1
2023	January	Willow Creek	42	9	5
		Willow Creek - Humbug	5	2	1
		Mississippi Bar	19	4	1
		Lower Sunrise	7	2	1
		Upper Sunrise	24	5	1
	February	Willow Creek	46	46	1
	March	Black Miner's Bar	23	5	1
		Humbug Creek	14	3	1

Aedes aegypti trapping effort in Sacramento and Yolo Counties – Surveillance for invasive *Aedes* will resume in May.

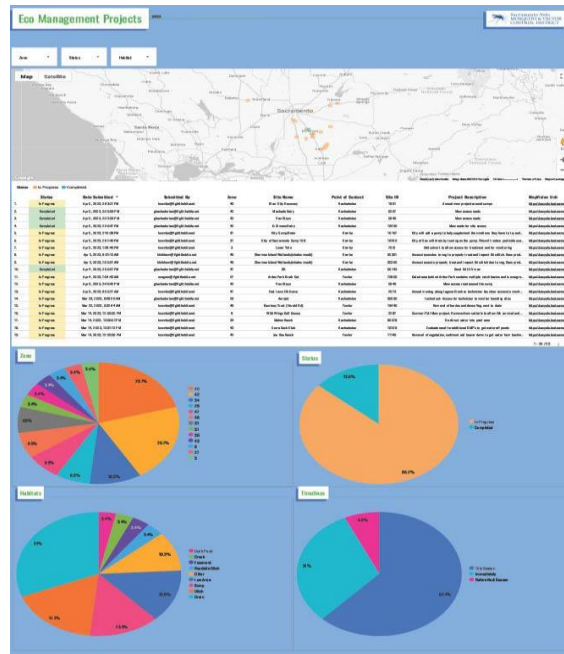
The California Arbovirus Surveillance Bulletin updates will resume in May.

ECOLOGICAL MANAGEMENT DEPARTMENT

Monthly Report for the April 2023 Board Meeting

General

Staff developed an internal Ecological Management (Eco) Project submission form that field staff and supervisors can utilize to turn in projects to Eco staff. Staff also created an app-based project tracking sheet and mapping feature that will allow staff to see the progress of the projects that they have turned in via the submission form.



Ecological Management Projects

Eco technicians have started Best Management Practices (BMP's) projects that have been put on hold due to late winter storms. The department currently has 32 BMP projects submitted by field technicians and has completed 8 to date. These projects will provide technicians access to monitor and treat potential mosquito breeding sites that are difficult to access and may reduce or eliminate pesticide usage. Staff are meeting and corresponding with various landowners and developing site specific BMPs and scopes of work for upcoming water management projects that reduce or eliminate breeding sites, and the need for pesticide applications.



Planning Program

Staff reviewed a total of 7 planning documents that were submitted to the District. Many of the projects reviewed did not have any substantial impact on mosquito control activities. Staff are currently commenting on a few proposed projects that require stormwater retention/detention basins and bio-retention swales that could potentially have impacts to mosquito control if they are not managed and maintained properly. The Planning Depts. responsible for the permitting have been advised to develop a Mosquito Reduction Plan and utilize the District's BMP manual to reduce potential impacts prior to issuance of the grading permits.

- Brighton Village (City of Rancho Cordova)
- Big Baller RV Storage (City of Rancho Cordova)

Cemetery Program

The Ecological Management Department staff presently monitors 32 cemeteries that have the potential to breed mosquitoes. Staff have mailed off the annual BMP letter to cemetery managers reminding them to turn the vases over after the rains and to apply the polymer crystals for those vases that are unable to be flipped. Staff are currently exploring the need for an Eco seasonal position that will focus on inspections and treatments of cemetery vases in Sacramento and Yolo Counties. Technicians continue to make Aquadiamonds (Polymer Crystal) water soluble packets (WSP) for applications to cemetery vases and for distribution after the Memorial Day weekend.



BIOLOGICAL CONTROL

Monthly Report for April 2023 Board Meeting

In the month of March, the process of fish distribution to open ponds was started. This process consists of monitoring quality to determine the optimal time to transfer fish from the overwintering predatory exclusion ponds to the open grow-out ponds. A few of the quality parameters that we look for are water temperatures at or above 55 degrees and a good phytoplankton bloom. Weather permitting, we were able to transfer 380 pounds of fish to these ponds. We would like to see an additional 143 pounds to complete this process. The Fisheries Department also provided 28.12 pounds of mosquito fish to technicians for use in the field during this period. In addition to these efforts, the district interviewed candidates for multiple positions during March, and we're excited to welcome a new full-time and seasonal tech to the department in April. Daily activities such as water quality testing, medical treatments as necessary, and tank cleaning were performed to maintain high-quality fish. Pond leveling and yard maintenance were also conducted as needed.

Log of Treatment Applied for March

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish (<i>Gambusia affinis</i>)	28.12 lbs	58.53 Acres	264
Guppies (<i>Poecilia reticulata</i>)	On hold until weather conditions warm up.		

Log of Treatment Applied for the year 2023

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	28.47 lbs	62.033 Acres	266

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
36,000.00	14,616.61	21,383.39	41%



CONTROL OPERATIONS

Monthly Report for April 2023 Board Meeting

Culex and West Nile Virus (WNV) Control

As winter weather continued to linger during much of March, trap repair and maintenance continued as the lab prepared for the upcoming season. There is no WNV testing currently being performed until next month. Weekly traps are still being utilized to monitor adult mosquito numbers in areas throughout the District.

Field Technicians have been able to start looking at and treating small spring sources as weather and site conditions allow. Catch basin crew has begun their annual treatments on basins following a similar annual schedule.

Annual Training and Calibrations

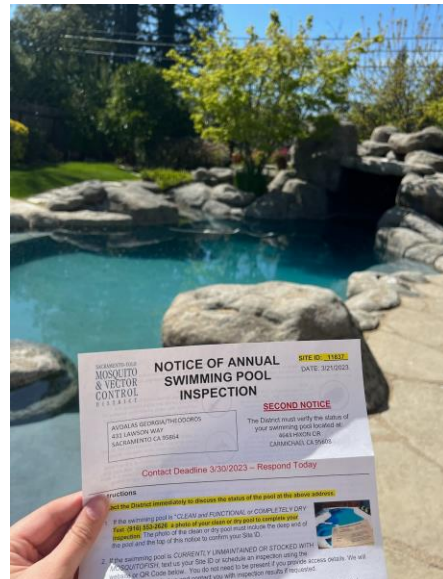
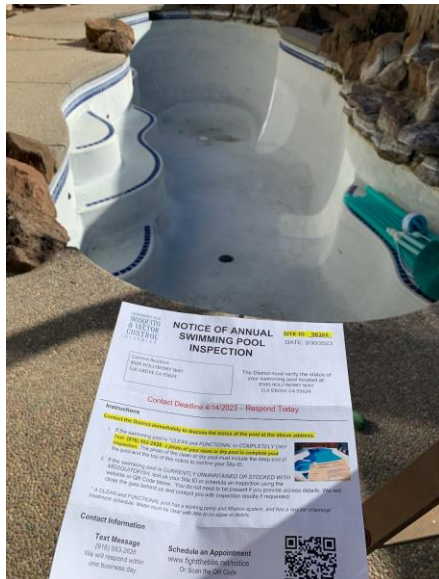
The District has been preparing for the season with onboarding of new staff to fill Control Field Technician vacancies, cleaning and calibrating remaining equipment and looking at spring sources. The District conducted the annual Pesticide Training on March 15.

Invasive Aedes Control

There were no invasive Aedes detected in any permanent trap areas in the month of March.

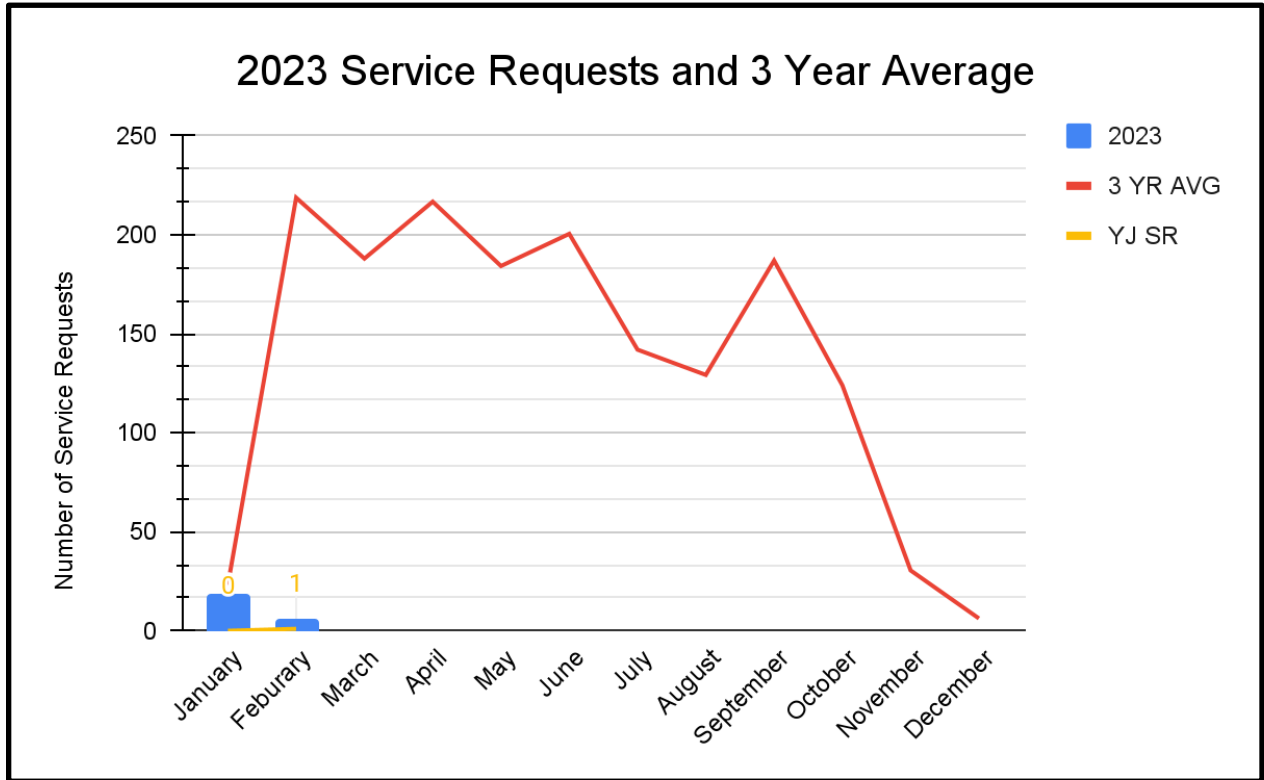
Pool Program

The District's green pool program began sending mailers in March and the response from residents has been beneficial for the District in making contact with homeowners that have a green pool and updating pool sites that were green in the previous season that have now been pumped dry or turned blue and put back into use. (see pictures below)



UAS Program

Staff have been updating District UAS Units and coordinating upcoming flight missions with the District's GIS Department.



Larvicide Applications thru March 31st				
<u>Locations/Roles</u>	<u>2023</u>		<u>2022</u>	
	<u>Treatments</u>	<u>Acres</u>	<u>Treatments</u>	<u>Acres</u>
Sacramento County	118	95	711	235
Sac County Aerial	0	0	0	0
Sac County Drone Treatments	0	0	0	0
Yolo County	0	0	0	0
Yolo County Aerial	0	0	0	0
Yolo County Drone Treatments	0	0	0	0
CB Treated	14774	--	14732	--
CB Inspected -not treated	0	--	0	--

Aerial Adulthood Summary thru March 31st				
	<u>2023</u>		<u>2022</u>	
<u>County</u>	<u># Applications</u>	<u>Acres</u>	<u># Applications</u>	<u>Acres</u>
Sacramento Ag	0	0	0	0
Sacramento Urban	0	0	0	0
Yolo Ag	0	0	0	0
Yolo Urban	0	0	0	0

Totals

Adulthood Summary through March 31, 2023 compared to: 2022

Acres used = 0 0 0

At this time there have been no aerial adulthood flights performed in 2023

PUBLIC INFORMATION AND EDUCATION
Monthly Report for April Board Meeting

Mosquito Awareness Week

Mosquito Awareness Week (MAW) and the official launch of our public information and education campaign was April 16-22. The MVCAC Public Relations Committee developed an English and Spanish video to disseminate along with a daily social media themed messages that covered a range of topics including awareness week launch, mosquito transmitted diseases, mosquito myths, source reduction and general protection tips. The video and messaging was developed in an effort to have a unified voice across the state. As part of the MAW kick off, we also conducted media interviews, announced our Fight the Bite contest winners and delivered repellent to agencies that serve homeless populations.

Advertising

The 2023 advertising campaign kicked off during Mosquito Awareness Week and we were able to secure English and Spanish pro bono radio commercials to announce the beginning of the season. These radio spots only aired this week and the general media campaign, which includes a wide mix of advertising outlets, will begin at the end of May. The plan is currently being finalized and contracts are being negotiated by media consultant Gary Benjamin and District staff.

Events:

April is a very busy event month and we will participate in a total of five large community events. Picnic Day in Davis is one of the busiest events of the season and it is held on the UC Davis campus. Throughout the day we educated and informed hundreds of people that stopped by the booth. Another large event is Doggie Dash sponsored by the Sacramento SPCA. This event is unique because it allows us to talk about the prevention of dog heartworm. Other events will include:

April 23: Earth Day

April 29: Duck Days in partnership with the Yolo Bypass Foundation

April 29: Winters Youth Day

Fight the Bite Contest

The deadline for the annual Fight the Bite Contest was on April 5th. Entries were sorted by grade and winners were selected and awarded their prize as part of Mosquito Awareness Week. The first place winners received a surprise visit in their classroom and were awarded their prize. All participants will receive a certificate and winning entries will be posted online. Many of the notable contest entries will also be featured on social media.

Social Media

Our social media efforts continue and content is focused on information regarding the upcoming Mosquito Awareness Week and messages previously mentioned. Other messages being disseminated include tick prevention, requesting mosquitofish, promotion of general District

services and we will also soon start to promote the dead bird hotline so residents can call in dead birds.

Tick outreach:

As part of our outreach activities specific to ticks, we have printed 40 tick surveillance signs and posted them at the beginning and the end of popular trails in Sacramento and Yolo counties we our laboratory collects ticks and tests them for Lyme disease. The sign includes prevention tips and a QR Code that directs inquiries to the District website.

Government affairs:

As part of our government affairs and outreach to local elected officials, we have been reaching out to all city councils to set up our annual update and presentation given by Gary Goodman. Upcoming dates include:

2022 Annual Report:

The annual Report has been printed and copies are being distributed to local elected officials during our annual Fight the Bite update. An electronic copy is also posted on the District website.

During the Public Information and Education update Luz talked about Mosquito Awareness Week which was April 16-22 and the launch of the advertising campaign, awarding of the fight the bite winners and repellent distribution. Luz discussed the variety of outreach events attended during April, new signs posted on walking trails to enhance our tick outreach and the ongoing dissemination of messages on social media.

Sacramento-Yolo Mosquito and Vector Control District

April 25, 2023 Board Meeting

- 4. Closed Session – Provide Instruction to Designated Labor Representatives (Gov. Code § 54957.6-Labor Negotiations) Agency Designated Representatives : [Gary Goodman, Kim Bogard] Employee Organization: [Operating Engineers Local Union #3]**